

10 556

US-4
US-5

TAKAGI, KOKICHI

Method of co-deposition of titanium and iron group metals

(Trans. of Japanese patent, Appl. No. Sho-27-20205, appl.
20 Dec 52, provisional No. Sho-31-3110, announced
26 Apr 56, by Takagi Iron Works Ltd., Sakai City)

\$ 1.80 (ph), \$ 1.80 (mf), 60-15620 - English

E u r a t o m

Chemical Studies of Marine Algae. III. The
Varietal and Seasonal Variation in the Forms of
Nitrogen in ~~EE~~ Porphyra, by M. Takagi, 18 pp.

JAPANESE, per, Bull Fac Fish Hokkaido Univ, Vol
II, Jun 1951, pp 1, 31-42.

S.L.A. Tr

704/1955
~~755/1955~~

Sci - Chemistry
Apr 1957 CTS/dex

50,306

Chemical Studies ~~on~~ of Marine Algae. IV. On the
Sulfur-Containing Amino Acids, by M. Takagi, M.
Suzuki, 7 pp.

JAPANESE, per, Bull Fac Fish Hokkaido Univ, Vol II,
Feb 1952, pp 293-296.

S.L.A. Tr No 705/1955

Sci - Chemistry
Apr 1957 CTS/dex

50,307

Chemical Studies of Marine Algae. V. Organic Bases
in Porphyra Pseudolinearis, by M. Takagi, 10 pp.

JAPANESE, per, Bull Fac Fish Hokkaido Univ, Vol II,
IV, Feb 1952, pp 297-301.

S.L.A. Tr 706/1955

Sci - Chemistry
Apr 1957 CTS/dex

50,308

Theory of Dumet-to-Glass Sealing, by Michiyasu
Takagi, 16 p.

JAPANESE, per, Toshiba Review, 1950, Vol V,
No 4/5, pp 33-38.

SLA 59-17451

Sci
Feb 60
Vol 2, No 10

108,894

Takagi, R. and Uchiyama, H.
METHOD FOR THE MANUFACTURE OF HOLLOW
ACETATE ARTIFICIAL FIBERS. [1963] 4p.
Order from ATS \$8.00 ATS-80Q69]

Trans. of Japanese [published] patent 814 (1952) appl.
filed 29 May 50, pat. appl. 6951, by Shin Nippon
Chisso Hiryo (New Japan Nitrogen Fertilizers) Co.,
Ltd., Osaka, pub. 7 Mar 51.

DESCRIPTORS: *Fibers (Synthetic), *Textiles,
*Acetates, Manufacturing methods.

(Materials--Textiles, TT, v. 10, no. 6)

63-17749

I. Takagi, R.
II. Uchiyama, H.
III. Patera (Japan)
pub. 27-814
IV. ATS-80Q69]
V. Associated Technical
Services, Inc.,
East Orange, N.J.

1144629

Office of Technical Services

Zirconium Compounds. VI. Reaction Between
Zirconyl Chloride and Oxalates, by
Sadashige Takagi, 12 pp.

JAPANESE, per, Nippon Kagaku Zasshi,
Vol LXXVII, 1956, pp 1568-1572.

AEC-SCL-T-486

Sci-Chem

Sep 63

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Baby-T Meteorological Rocket, ~~8 pages~~ by Hobaru
Takagi, 15 pp, (ID 2014537).

JAPANESE, per, Industrial Science Review, Feb
1956.

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FACS, I, G-7167

Scientific - Geophysics
Nov 56 CTS

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Electronic Systems of the Kappa Rocket Series,
by Noboru Takagi, 4 pp.

JAPANESE, per, Scientific Asahi, Jul 1962.

AF 1498092

Sci - Electron, Space/Res

20 Sept 62

210,881

A Study of the Mechanism of Thermal Decomposition of Sodium Formate Leading to the Formation of Sodium Oxalate and Sodium Carbonate
I. Heating Curves of Sodium Formate and Its Products, by S. Takagi, 9 pp.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LX,
No 7, 1939, pp 625-631.

ATS-53EM42J

Sci
Vol IV, No 7
Apr 62

193, 853

Eicosapentaenoic and Docosahexaenoic Acid in Cuttle-Fish
Oil, by Y. Toyama, T. Takagi.
GERMAN, per, Fette - Seifen - Anstrichmittel - Die
Ernahrungsindustrie, No 64, 1962, pp 134-137.

Fisheries Res Board of Canada
Biol Station, Series No 449

Sci - Biol

Mar 64

251,174

Pres

/Method of Manufacture of Catalysts for Hydrogena-
tion and Refining of Raw Oils Under High Pressure,
by K. Morikawa, T. Takagi.

JAPANESE, Patent 3521, 1958.

ATS RJ-1977

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Sci - Chem

Jan 60

105 766

Synthesis and Structure of Dodacylbenzene,
by T. Asahara, Y. Takagi, 14 pp.

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Vol LVIII, No 2, 1955, pp 147-153.

ATS-28M42J

Sci
Vol IV, No 7
Apr 1962

192,618

Studies on Snake Venom, Paper Electrophoresis of
Snake Venoms and Their Enzyme Activities, by
T. Suzuki, F. Hagihara, Yasushi Takagi.

JAPANESE, per, Yakugaku Zasshi, Vol LXXIV, 1954,
pp 167-171.

ACBI, H-2852, B

Sci - Med

May 59

88,202

Methods of Measuring Specific Heat at High Temperatures,
by Seizo Nagasaki, Yutaka Takagi, 10 pp.

JAPANESE, per, Journal of Applied Physics of Japan,
Vol XVII, 1948, pp 104-109. 9095274

AEC SCL-T-378

Sci - Phys
Jan 62

178, 962

Dye Sensitization of Zinc Oxide. Part III.
by Takahashi, C. Shishido.
JAPANESE, per, Donshi Shashin, Vol 2, No 1,
1960, pp 15-18.
HTC-69-15746-14E

Takahashi

Sci-Meth & Equip
Feb 70

402,919

50
Studies on the Polymerisation of Ethylene. Part 2.
Synthesis of 1-butene from Ethylene by Dimeriza-
tion, by A. Takahashi.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 66,
No 10, 1963, pp 1872-1876.

ATS-JS-243

a. Takahashi

Sci-Chem
Mar 70

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S-1424

On the Internal Friction of Copper-Aluminum Alloys,
by Takahashi, ~~and~~ Konno.

JAPANESE, per, 5 pp.

FE - Japan
Sci - Min/Metals

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Light Scattering, Viscosity and Sedimentation of
Polyacrylic Acid in Various Salt Solutions, by
A. Takahashi, et al.
JAPANESE, per, Journal of the Chemical Society,
Vol LXXIII, No 6, pp 873-874.
CSIRO/No 6404

Sci - Chem
Apr 64

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Potassium Persulphate-Sodium Bisulphite Potassium
Thiocyanate Redox System Polymerization, Rpt 10,
by Akira Takahashi, Isamu Yamazaki, 10 pp.

JAPANESE, per, Kobunshi Kagaku, Vol XIV, No 147,
1957, pp 363-366.

SIA 59-15267

Sci
Dec 59
Vol 2, No 5

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Polymerization Inhibition Process by
Means of Sodium Chlorite, by Ihsamu
Yamazaki, Akira Takahashi,
10 pp.

JAPANESE, per, Kobunshi Kagaku, Vol XIV,
1957, pp 359-362.

SLA 60-18389

Sci
Vol IV, No 11
Jun 62

199,311

Identification of Antibiotics by Electrophoretic
Paperography, in Report No 28, by Bunji Takahashi,
Yasuji Amano, 16 pp..

JAPANESE, per, Journal of Antibiotics, Series B,
Vol VII, No 3, Mar 1954, pp 81-84.

S.L.A. Tr 792/1956

Sci - Biology
Oct 56 CTS

39,933

S.L.A. Tr 3461

Present State of Medical Sciences in Communist
China, by D. Takahashi, 3 pp. FOR OFFICIAL USE
ONLY

JAPANESE, np, Kagaku Shimbun, 1 Feb 1963.

ID 2220015263

FE - China
FE - Japan
Pol, Soc
Jun 63

Takahashi, Giasaku.

PREPARATION METHOD FOR MOISTURE-PROOF
CELLOPHANE WHOSE PRINCIPAL RESIN OF THE
MOISTURE-PROOF FILM HAS A CROSSLINKED
STRUCTURE. [1963] 8p

Order from OTS or SLA \$1.10

63-18907

Trans. of published Japanese patent 37 Showa (1962) -
3464, [cl.] 25 J 322, announced 4 Jun 62, appl. no. 35
Showa (1960) - 40320, appl. 6 Oct 60, by Tokyo Serofan-
shi Kabushiki Kaisha.

DESCRIPTORS: *Plastic films, *Moistureproofing,
*Moisture resistance, *Varnishes, Molecular struc-
ture, Organic solvents, Vinyl radicals.

A preparation method for moistureproof cellophane in
which a crosslinked structure is formed, character-
ized by the fact that, when preparing moisture-proof
(Materials--Plastics, TT, v. 10, no. 10) (over)

63-18907

I. Takahashi, G.
II. Patent (Japan) pub. 37-3464

1252290

Office of Technical Services

The Influence of Actin Upon Myosin ATPase, by / 1
T. Nagai, K. Konishi, Y. Yutasaka, H. Takahashi and
M. Makinose, 9 pp.

RUSSIAN, bimo per, Biokhim, Vol XXII, No 1, 2,
Jan-Apr 1957, pp 40-48.

Consultants Bureau

Sci - Chemistry
Apr 58

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On the Volatilization of the Ammonia Trans-
formed from Urea Applied Under Upland and
waterlogged Conditions, by A. Chude,
E. Takahashi, M. Yoshida.
JAPANESE, per, Nihon Dojo Hiryo-gaku Zasshi.
Vol 31, 1960, pp 272-3
SLA TT-66 10842

E. Takahashi

330,768

Sci - Materials
Jul 67

Clinical Application of Tespamine (Tri-Ethylene-thiophosphorswide, Thio-Tepa) Especially, Influences of Cobaltgreenpole and Adrenocortical Steroid on the Leucopenia Induced by the Administration of Thio-Tepa by H. Takahashi, 18 pp.

JAPANESE, per, Naika Hokan, Vol VII, No 2, 1960, pp 176-183.

ATS-15M-13

Sci

Mar 62

Vol IV, No 6

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On the Parametron, by H. Takahashi, 18 pp.

JAPANESE, per, J. Electrical Commun Eng Japan, Vol
XXXIX, No 6, Jun 1956, pp 586-590.

SLA 58-140

Sci

Aug 59

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by H. Takahashi,
Design of Domestic No 1 Nuclear Reactor, 14 pp.
(7 charts).

JAPANESE, per, Nuclear Engineering, Vol II, No 10,
Oct 1956, Encl to IR 3390-57, 6004th AISS.

AF 1122165 51,970

Sci - Nuclear Physics
Sep 57

105
Eigenvalue Problem in the Neutron
Thermalization, by Hiroshi TAKAHASHI.
JAPANESE, per, J. Atomic Energy Soc.
Japan, Vol 5, No 11, 1963, pp 944-952.
AEC USJ-Tr 17

Hiroshi Takahashi

Sci-Mac Sci
Jul 68

357,370

Behavior of Sigma Phase in 25% Ni, 20% Cr Stainless
Steel, by K. Takahashi, T. Onishi, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1488-1490.

HB 5873

Sci-M/M
Apr 63

229,371

Takahashi, K., Koshimura, M. and others.
EFFECT OF CHEMICAL STRUCTURE OF CATIONIC
SURFACE-ACTIVE AGENTS (ALKYL-AMINE SALTS)
ON THE FRICTIONAL COEFFICIENT OF TERY-
LENE. Pt. 1 of The Frictional Coefficient of Textile
Finishing Agents. [1961] 12p. 3 refs.
Order from RIS \$25.00

RIS C-144

Trans. of Tex[ile] Mach[inery] Soc[ety] of Japan.
[Journal] 1960, v. 13, no. 6, p. 53-58.

(Materials--Textiles, TT, v. 5, no. 11)

61-22193

1. Surface-active agents--
Physical effects
2. Synthetic fibers--Surface
properties
3. Textiles--Processing
 - I. Takahashi, K.
 - II. Koshimura, M.
 - III. Title: Frictional...
 - IV. RIS C-144
 - V. Research Information
Service, New York

Office of Technical Services

Research on the Drawing of Small Thin-Walled Tubes
of Stainless Steel, by T. Okamoto, K. Takahashi.

~~SEE~~
JAPANESE, per, Tetsu to Hagane, Vol XLVI, No 3,
1960, pp 311-313.

BISI 2111

Sci - Engr

161,073

Jul 61

Studies of the Agmatine-Like Amine in the Urine
of Patients With Hepatic Coma, II, by
K. Takahashi, H. Enomoto, et al, 4 pp.

JAPANESE, per, Igaku to Seibutsugaku, Vol XXXII,
No 6, 1954, pp 279-281.

ATS-56M38J

Sci

Feb 62

Vol III, No 11

184, 868

An Arginine-Like Amine Discovered in the Urine
of Patients With Hepato-Cerebral Diseases of
the Inose type, by K. Takahashi, H. Enomoto,
H. Mamiyama, 4 pp.

JAPANESE, per, Igaku to Seibutsugaku, Vol. XXXII,
No 2, 1954, pp 81-83.

ATS-55M38J

Sci -
Feb 62
Vol III, No 11

184, 867

Physical Properties of the Ascites in Ascites
Tumor, by K. Takahashi, S. Takashi 3 pp.

JAPANESE, per, Gann, Vol XLV, 195⁴₆, pp 138, 139.

SIA Tr 57-1911

Sci

Jun 58

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Physical Properties of the Ascites in Ascites Tumor,
by K. Takahashi, T. Sasori, 3 pp.

JAPANESE, per, Gann, Vol XXV, Sep 1945, pp 138-139.

NIH 336

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Scientific - Medicine

The Present and Future of Japanese Economy, by
TAKAHASHI Kamekichi, 8 pp.

JAPANESE, per, Tairiku Mondai, publ by Asiatic
Mainland Research Society, Jul 1953.

500th MI Svc Gp No 78787

Re - Japan

Economic - National economy, foreign trade

Mar 54 CTS

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Introduction of the African Snail, *Achatina Fulica*
Fussac Into Japan, Especially Micronesia and
Subsequent Developments, by Teiso Esaki, Keizo
Takahashi.

JAPANESE, per, Kagaku Nanyo, Vol IV, No 3, 1942,
pp 16-25.

Dept of Interior
Q11, E78, No 16

Sci - Biology
Oct 60

128,651

Arsenical Chemotherapeutic Drugs. Report No 5.,
A Semi-micro Method of Determining Arsenic
Contents of Organic Arsenicals, by
Kiyoshi Takahashi, 10 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXII,
No 4, Apr 1952, pp 526-528.

526

NIN

Scientific - Chemistry Dec 1954 CTS

20,150

Arsenical Chemotherapeutic Drugs. Report No 6,
Syntheses of Diarylarsinic Acids by Bart's Method,
by Kiyoshi Takahashi, 17 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXII,
No 4, April 1952, pp 529-532.

NIN

Scientific - Chemistry

Dec 1954 CTS

20,152

Arsenical Chemotherapeutic Drugs. Report No 7.,
Syntheses of Diarylarsinic Acids with Aryldichloro-
arsines., by Kiyoshi Takahashi, 17 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXII, No 4,
April 1952, pp 533-537.

NIN

20,151

Scientific - Chemistry

Dec 1954 CTS

Arsenical Chemotherapeutic Drugs, Report No 8,
Syntheses of Diarylarsinous Acids, by Kiyoshi Takahashi,
17 pp,

JAPANESE, Yakugaku Zasshi, Vol LXXII, No 9, 1952, (Sep)
pp 1144-1148

NIH

Scientific - Biology

Mar 54, CTS/DEX

10,288

Takahashi, Koshitami, Koshimura, Masamitsu and others.

RELATIONSHIP BETWEEN CHEMICAL STRUCTURE OF CATIONIC SURFACE-ACTIVE AGENTS AND FRICTIONAL COEFFICIENT IN THE CASE OF TERYLENE FIBERS (ON ALIPHATIC LONG-CHAINED AMINE SALTS). Rept. no. 1 of the Studies on the Frictional Coefficient of Textile Oil (Finishing) Agents. [1962] [17]p. 3 refs.

Order from SLA \$1.00

62-14001

Trans. of Textile Machinery Society [of Japan]. Journal, 1960, v. 13, no. 6, p. 435-440.

Another trans. is available from RIS \$25.00 as RIS C-144 [1961] 12p.

DESCRIPTORS. *Synthetic fibers, *Amines, Salts, Phthalic acids, *Finishes, *Oils, Friction, Surface-active substances.

(Materials--Textiles, TT, v. 9, no. 4) (over)

62-14001

- I. Title: Terylene
- I. Takahashi, M.
- II. Koshimura, M.

C227649

Office of Technical Services

Polyethylene Isophthalate Terephthalate Copolymer
Filaments, by M. Takahashi.
JAPANESE, per, Kobunshi Kagaku (Japan), 1958, p381-8
SLA TT-65-14367

M. Takahashi

344,801

Dry Spinning. 1. Investigations of Spinning
Conditions, by M. Takahashi, M. Watanabe,
23 pp.

JAPANESE, per, Sen-i Gakkaishi, Vol XVI,
No 6, 1960, pp 458-469.

ATS-00045J

Sci

203,556

Jul 62

Vol 4, No 12

61-20729

Takahashi, Machida, and Yamada.
EFFECTS OF SOME PHYSICAL FACTORS ON
SUBMERGED MOLD CULTURES, PTS. 4-5
(SUMMARIES). [1961] 2p.
Order from SLA SI. 10

61-20729

Partial trans. of [Nihon Nogeikagakkai Shi] (Japan)
1960, v. 34, p. 440-[447].

DESCRIPTORS: *Molds, *Culture media, Viscosity,
Growth, Sucrose, Serum amylase.

Contents:

Effects of culture fluid viscosity on mycolial forms
of molds

Effects of culture fluid viscosity on the growth and
amylase production of Asp. Niger.

(Biological Sciences--Botany, TT, v. 8, no. 3)

I. Takahashi
II. Machida
III. Yamada

Office of Technical Services

<p>Takahashi, Masao. STUDIES ON ACRYLIC FIBER. XXVI. EFFECTS OF SPINNING CONDITIONS ON THE FINE STRUCTURE OF FILAMENTS. [1961] 10p. 4 refs. Order from SA \$15.00 SA Code-66</p> <p>Trans. of Kōbunshi Kagaku (Japan) 1961, v. 18, no. 191, p. 163-168.</p> <p>DESCRIPTORS: *Acrylonitriles, *Synthetic fibers, Fibers, Processing, Porosity, Coagulation, Filaments, Electron, Microscopy, Microstructure.</p> <p>(Materials--Textiles, IT, v. 7, no. 5)</p>	<p>62-12408</p> <p>I. Takahashi, M. II. Title: Effects... III. SA Code-66 IV. Seizaburo Aoki (Japan)</p> <p>195000</p> <p>Office of Technical Services</p>
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Takahashi, Masao.
SOLUBILITY OF ACRYLONITRILE POLYMER IN
ACETONITRILE SYSTEM MIXED SOLVENTS (MIXED
SOLVENTS CONTAINING ACETONITRILE AS A COM-
PONENT). Rept. 36 of Studies on Acrylic Fiber.
[1962] 7p. 13 refs.

Order from SLA 51.10

62-14969

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 6, p. 1132-1134.

DESCRIPTORS: *Synthetic fibers. *Acrylonitriles, Sol-
ubility. Organic solvents. *Acetonitriles. Methyl rad-
icals. Formamides. Sulfoxides.

A system prepared by mixing 20 vol% of acetonitrile
with nitromethane forms a semi-transparent unstable
solution. A system prepared by mixing 20~60 vol% of
acetonitrile with malononitrile forms a stable solution.
When acetonitrile is added to dimethylsulfone, the dis-
(Materials--Textiles, TT, v. 9, no. 2) (over)

62-14969

I. Takahashi, M.
II. Title: Mixed ...
III. Title: Studies ...

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Office of Technical Services

Takahashi, Masao.

INVESTIGATION OF THE SIGNIFICANCE OF AL-
COHOL SYSTEM SPINNING BATHS IN THE WET SPIN-
NING OF ACRYLONITRILE FIBER (COMPARISON OF
VARIOUS ALCOHOLS FOR THE COAGULATING BATH
IN WET SPINNING). Rept. 25 of Studies on Acrylic
Fiber. [1962] Sp. 1 ref.

Order from SLA \$1.10

62-14968

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 6, p. 1130-1132.

DESCRIPTORS: *Synthetic fibers, *Acrylonitriles,
Manufacturing methods, *Alcohols, Coagulation, Or-
ganic solvents, Methyl radicals, Formamides,
Sulfoxides.

States of fiber formation when concentrated dimethyl
formamide or dimethyl sulfoxide solutions of acryloni-
(Materials--Textiles, TT, v. 9, no. 2) (over)

62-14968

- I. Takahashi, M.
- II. Title Comparison...
- III. Title Studies...

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Office of Technical Services

61-16525

Takahashi, Masao and Watanabe, Masamoto.
EFFECTS OF THE TEMPERATURE OF COAGU-
LATION BATH ON THE WET-SPINNING OF DIM-
ETHYL FORMAMIDE-GLYCERIN SYSTEM. Rept.
no. 8 of Studies on Acrylic Fiber. [1961] 19p. 20 refs.
Order from SLA \$1.60 61-16525

Trans. of Sen-i Gakkaishi (Japan) 1960, v. 16, no. 1,
p. 7-15.

DESCRIPTORS: Formamides, Glycerol, *Acryloni-
triles, Synthetic fibers, Processing, Temperature,
Coagulation.

Results were obtained for the influence of the coagu-
lating bath temperature on wet spinning of acryloni-
trile copolymers. The maximum spinning velocity in-
creased as the bath temperature increased and as the
extrusion parameter and solution viscosity decreased.
(Materials--Textiles, TT, v. 6, no. 9) (over)

- I. Title: Spinning
- I. Takahashi, M.
- II. Watanabe, M.
- III. Title: Studies...

Office of Technical Services

Takahashi, Masao and Watanabe, Masamoto.
RELATIONS BETWEEN VARIOUS SPINNING CONDI-
TIONS AND MECHANICAL PROPERTIES OF DRAWN
FILAMENTS OBTAINED BY THE WET-SPINNING OF
DIMETHYL FORMAMIDE-GLYCERIN SYSTEM. Rept.
no. 9 of Studies on Acrylic Fiber. [1961] 9p.
Order from SLA \$1.10

61-16524

- I. Title: Spinning
- I. Takahashi, M.
- II. Watanabe, M.

Trans. of Sen-i Gakkaishi (Japan) 1960, v. 16, no. 1,
p. 15-20.

DESCRIPTORS: Formamides, Methyl radicals, Glyc-
erols, *Synthetic fibers, Mechanical properties, Tex-
tiles, *Acrylic resins, Polymers, Processing.

The relations between various spinning conditions and
the strength and elongation of the drawn yarns and their
photomicrographs, by wet-spinning of the continuous
spinning and drawing system, using DMF as solvent and
(Materials--Textiles, TT, v. 6, no. 9) (over)

Office of Technical Services

Takahashi, M[asao].
FILAMENT FORMATION IN A SOLVENT-WATER
TYPE COAGULATION BATH [AND] SOME ASPECTS
OF THE SPINNABILITY IN A SPINNING BATH
HAVING THE CRITICAL COMPOSITION. Repts. 20-21
on Studies of Acrylic Fibers. [1961] 14p.
Order from ATS \$19. 40

ATS-79N53J

Trans. of Sen-i Gakkaishi (Japan) 1961, v. 17, no. 3,
p. 243-252.

DESCRIPTORS: *Synthetic fibers, Production,
Coagulation.

(Materials--Textiles, TT, v. 6, no. 9)

61-25334

- I. Takahashi, M.
- II. Title: Some...
- III. Title: Studies
- IV. ATS-79N53J
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Takahashi, Masao.

SOME MELT SPINNING CONDITIONS. [Rept. no.] 5
of Studies on the Manufacture of Polyethylene Fiber.
[1961] 14p. 3 refs.

Order from SLA \$1.60

61-16571

Trans. of [Sen-i Gakkaishi] (Japan) 1959, v. 15, no. 4,
p. 254-259.

DESCRIPTORS: *Synthetic fibers, Production, *Ethyl-
enes, Polymers, Fibers, Textiles.

By using the "candle" melt spinning apparatus, the
effects of various spinning conditions upon the state of
spinning were studied. At excessively high tempera-
tures, the upper limit of the draft (where the spinning
is satisfactory) became smaller due to the thermal
degradation of the sample. The smaller the average
molecular weight (M_n), the lower was the temperature
at which the upper limit of draft (at high temperatures)
started to decline and the greater was the draft at low
(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16571

- I. Title: Spinning
- I. Takahashi, M.
- II. Title: Studies...

Office of Technical Services

62-12408

Takahashi, Masao.
STUDIES ON ACRYLIC FIBER. XXVI. EFFECTS OF
SPINNING CONDITIONS ON THE FINE STRUCTURE
OF FILAMENTS. [1961] 10p. 4 refs.
Order from SA \$15.00

SA Code-66

Trans. of Kōbunshi Kagaku (Japan) 1961, v. 18,
no. 191, p. 163-168.

DESCRIPTORS: *Acrylonitriles, *Synthetic fibers.
Fibers, Processing, Porosity, Coagulation, Filaments,
Electron, Microscopy, Microstructure.

I. Takahashi, M.
II. Title: Effects...
III. SA Code-66
IV. Seizaburo Aoki (Japan)

1950

(Materials--Textiles, IT, v. 7, no. 5)

Office of Technical Services

Takahashi, Masao.

RELATION BETWEEN SOME SPINNING CONDITIONS
AND PROPERTIES OF UNDRAWN FILAMENTS. Rept.
no. 7 of Studies on the Manufacture of Polyethylene
Fiber. [1961] [17]p. 4 refs.
Order from SLA \$1.60

61-16569

Trans. of Sen-i Gakkaishi (Japan) 1959, v. 15, no. 5,
p. 368-372.

DESCRIPTORS: *Synthetic fibers, Production, Physical
properties, *Ethylenes, Polymers, Fibers, Textiles.

The effects of the various melt spinning conditions such
as linear velocity in capillary, draft (or winding speed),
cooling path distance and temperature of chilled bath on
some properties of undrawn filaments were investi-
gated. The increase of linear velocity in capillary and
draft produces orientation of molecular chains which
results in the indistinctness of yield point, an increase
of tensile strength and a decrease of elongation of the
(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16569

- I. Title: Spinning
- I. Takahashi, M.
- II. Title: Studies...

Office of Technical Services

61-16517

Takahashi, Masao and Watanabe, Masamoto.
RELATION BETWEEN COAGULATING FORCES OF
SPINNING BATHS AND PROPERTIES OF FIBERS.
Rept. no. 7 of Studies on Acrylic Fiber. [1961] 15p.
Order from SLA \$1.60 61-16517

Trans. of Sen-i Gakkaishi (Japan) 1959, v. 15, no. 12,
p. 951-959.
Another translation is available from SLA ml\$2.40,
ph\$3.30 as 60-18453 [1960] 15p.

DESCRIPTORS: *Synthetic fibers, Coagulation,
Production

For abstract see Technical Translations 4: 632, 1960.

See also 61-16524, 61-16582, 61-16583

(Materials--Textiles, TT, v. 6, no. 6)

I. Takahashi, M.
II. Watanabe, M.
III. Title: Studies...

Office of Technical Services

60-18129

Takahashi, Magao, Watanabe, Masamoto, and
Kinoshita, Yukio.

EFFECTS OF DRAWING ON THE PHYSICAL PROP-
ERTIES AND ORIENTATION OF ACRYLIC FIBERS.
Rept. no. 5 of Studies on Acrylic Fibers. [1960] 18p.
4 refs.

Order from SLA mi\$2. 40, ph\$3. 30

60-18129

Trans. of Kobunshi Kagaku (Japan) 1959, v. 16,
no. 176, p. 713-719.

Undrawn acrylic fibers spun in glycerin bath and in
ethylene glycol bath were drawn, and studies were
made of the changes of strength, elongation, and den-
sity by drawing; of the degree of orientation and lateral
order by X-rays, and of the cross-sectional shape by
the microscope. The density of an undrawn filament
which was spun in an ethylene glycol bath was extremely
small. Although the density increased by drawing,
the degree of this increase was small when drawn to
over 4 times. The density of an undrawn filament
(Materials--Textiles, TT, v. 5, no. 3) (over)

1. Synthetic fibers--
Physical properties
2. Synthetic fibers--
Processing
 - I. Takahashi, M.
 - II. Watanabe, M.
 - III. Kinoshita, Y.
- IV. Title: Studies...

Office of Technical Services

Immunologic Studies of Nucleoprotein Fractions of
Ehrlich Carcinoma Cells, by Michiaki Takahashi,
Kobuko Ikegami, Susumu Kameyama, Juntaro Hamahara,
6 pp.

JAPANESE, per, Gann, Vol XLVIII, No 4, Dec 1957,
pp 331, 332.

Sci - Medicine
Aug 59

MIH 7-10

OS 59-16656
SLA. 59-16656

93, 124

Takahashi, Masao.

SOLUTION TEMPERATURE OF VARIOUS MIXED
SOLVENTS TOWARD ACRYLONITRILE POLYMER.

Rept. no. 37 of studies on Acrylic Fiber. [1962] 10p.
20 refs.

Order from SLA \$1.10

62-14965

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 6, p. 1134-1136.

DESCRIPTIONS: Polymers, *Acrylonitriles, Organic
solvents, Mixtures, *Methanes, Nitro radicals, *Forma-
mides, Methyl radicals, Nitriles, Maleic anhydride,
Succinic anhydrides, Pyrrolidinone, Sulfoxides, DNP,
Nitrophenols, Acetones.

Polymer solutions which are stable at normal tempera-
ture are formed by the addition of about 20 vol% of
malononitrile or dimethyl sulfoxide to nitromethane.
Compounds which demonstrate some slight interaction
(Materials--Plastics, TT, v. 9, no. 4) (over)

62-14965

I. Takahashi, M.

C227660

Office of Technical Services

Takahashi, Masao.

MODEL-WISE OBSERVATION OF DESOLVATION IN
THE SPINNING BATH. Rept. 35 of Studies on Acrylic
Fiber. [1962] 8p. 1 ref.
Order from SLA \$1.10

62-18036

Trans. of Kobunshi Kagaku (Japan) 1961, v. 18,
no. 198, p. 605-608.

DESCRIPTORS: *Acrylonitriles, *Synthetic fibers,
Fibers, Processing, Filaments.

The desolvation process of formed filaments in solvent-
water system spinning bath was observed. The compo-
sition of the swelling liquid changed gradually and ap-
proached the composition of the steeping bath. The ap-
parent diffusion coefficient of desolvation at this time,
 k_d , was sensitive to the coagulant structure, and it
was possible to evaluate the coagulation process and
the structure of the filaments from this value. The
(Materials--Textiles, TT, v. 8, no. 8) (over)

62-18036

- I. Title: Spinning
- I. Takahashi, M.
- II. Title: Studies...

C223235

Office of Technical Services

60-18130

Takahashi, Masao, Shinohara, Yasuo, and Watanabe, Masamoto.

CROSSLINKING OF POLYACRYLONITRILE FIBER BY IRRADIATION WITH ELECTRON RAYS. Rept. no. 6 of Studies on Acrylic Fibers. [1960] 13p. 7 refs. Order from SLA ml\$2.40, ph\$3.30 60-18130

Trans. of Kobunshi Kagaku (Japan) 1959, v. 16, no. 176, p. 720-723.

The effects of irradiation by high speed electrons induced from "Van de Graaff" on the swelling properties of polyacrylonitrile monofilaments were investigated. The experimental relationship between sol fraction and radiation dose shows good agreement with that required by A. Charlesby's theory (J. Polymer Sci. 11: 513, 1953). The ratio of degradation to crosslinking occurring by irradiation was about 40%. The crosslinking index per monomer unit was 2.32×10^{-8} per 1 Mrad. The swelling properties of the crosslinked polyacrylonitrile were also studied as a function of cross- (Materials--Textiles, TT, v. 5, no. 3) (over)

1. Synthetic fibers--Processing
2. Synthetic fibers--Effects of radiation
 - I. Takahashi, M.
 - II. Shinohara, Y.
 - III. Watanabe, M.
 - IV. Title: Studies...

Office of Technical Services

Electrolytic Titanium, by Shinzo Okada,
Makoto Kawane, Mitsunao Takahashi, Tomoyasu Hashino,
7 pp.

JAPANESE, per, J. Chem Soc, Japan, Ind Chem Sect,
Vol LVI, No 6, 1953, pp 410-411.

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IAC INTERNAL USE ONLY

Scientific - Min/Metals
Engineering

30,803
Feb 56 CTS/DEX

Formation of Cu_2O and ZnO Single Crystals by Selective
Oxidation of an α -Brass Film, prepared by Vacuum
Evaporation, by N. Takahashi, J. J. Trillat, 7 pp.

GERMAN, per, Acta Metallurgica, Vol IV, No 2, March
1956, pp 201-205.

Sci - Minerals/Metals
Sep 57

SLA Tr 57-551
ATS-477-FJ
54,013

On the Order Plecostei Established by Dr. Kishinouye.
by Nisuka Takahashi, 15 pp.

Full translation.

JAPANESE, per, Dobutsugaku Zasshi, Vol XXXVI, No 432,
Oct 1924, pp 397-408.

S.L.A.

Scientific - Biological

27,229

Aug 55

Petrographical Study of Japanese Coals
by Microscopic Method With CH_2I_2 as
Immersion Fluid, by E. Stach, R
Takahashi.

JAPANESE, per, Fuel Society of Japan
Journal, Vol XXXVII, No 374, 1958,
pp 351-360.

CSIRO

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Sci - Fuels
Jul 62

Study on Catalytic Properties of
Camphor. Part 1. Catalytic Activity
of Camphor in Case of Chlorination of
Organic Compounds by Elemental Chlorine
by T. Takahashi, M. Noda.
JAPANESE, per, Gifu Norin Sogmon Gakko
Gakujutsu Hokoku, No 68, 1950, pp. 169-8
NTC 69-10652-07C

T. Takahashi

Sci-Chem
July 69

386,703

62-17648

Takahashi, T. and Yoshida, T.
RECIPROCAL ACTION OF AMMONIA-NITROGEN,
NITRATE-NITROGEN, Cl AND SO₄. Pt. 6 of Re-
ciprocal Action of Ions Related to Nutrition of
Tobacco. [1962] 12p.
Order from K-H \$15.00 K-H 11128-b

Trans. of Nihon Dojo Hiriyogaku Zasshi (Japan) 1957,
v. 28, p. 181-184.

DESCRIPTORS: *Tobacco, Nutrition, *Ammonia,
*Nitrogen, Nitrates, *Sulfates, *Chlorine.

(Agriculture--Plant Cultivation, TT, v. 8, no. 10)

- I. Takahashi, T.
- II. Yoshida, T.
- III. Title: Reciprocal ...
- IV. K-H-11128-b
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

C226308

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83
Characteristics of High Temperature Type Solid
Electrolyte Fuel Cells Employing CaO_2 - La_2O_3
System Solid Solutions, by T. Takahashi,
K. Ito, H. Iwahara, 17 pp.
JAPANESE, per, David Kessler, Vol 34, 1956,
pp 205-209. ~~PH11191367~~
AEC NP-Tr-1526

T. Takahashi

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Sci - Electronics
Jun 67

Phosphor Sensitization of Zinc Oxide. Part I. 155
by T. Takahashi, C. Shishido.
JAPANESE, per, Denshi Shashin, Vol 2, No 1,
1960, pp19-23.
ITC-69-15745-14E

T. Takahashi

Sci-Meth & Equip
Feb 70

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Indirect Coulometric Titration of Reducible ~~and~~
Organic Compounds by Produced Ceric Ion, by Takeo
Takahashi, Hiroshi Sakurai, 15 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LXIII,
1960, pp 608-611.

AEC UCRL-Trans-635(L)

Sci - Chem
May 61

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Observations on the Aquatic Cockroach, by
Ryichi Takahashi, UNCLASSIFIED, 4 pp.
Full translation.

IR

JAPANESE, no per, Dobutsugaku Zasshi, No 38, 1926.

ID GSUSA F-9758

FE - Japan

Scientific - Biology, cockroach

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also QMT 430
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A 11780

Photomicrographs of Japanese Coals Under
Di-Iodomethane Immersion, by R. Takahashi.

GERMAN, per, Brennstoff-Chemie, Vol XXXIX,
1958, pp 225-230.

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Sci - Fuels

207,423

Habits and Nymph of Phyllodromia Humbertiella de Sauss,
by Ryichi Takahashi, 5 pp. UNCLASSIFIED

Full translation.

JAPANESE, from Natural History Society of Formosa,
No 30, 1940.

ID GSUSA F-9759

FE - Japan

Scientific - Biology, phyllodromia

Feb 53 CTS/DEX

A 11781

Life History of Blattidae, by Ryoichi Takahashi,
21 pp. UNCLASSIFIED

JAPANESE, per, Dobutsugaku Zasshi, Vol XXXVI, No 427,
1924.

QMT Tr 497

(6-793)

Scientific - Biology
CTS/DEX

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STUDIES ON HeLA CELL INHIBITORY SUBSTANCES PRODUCED
BY EUMYCETE, BY S. TAKAHASHI, 13 PP.

JAPANESE, PER, J. ANTIBIOTICS, SER B., VOL XIV, NO 2,
1961, PP 49-56.

NIH 6-57-62

SCI - MED

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AUG 62

Transistorized Electronic Computer ETL Mark III,
by S. Takahashi, H. Mishino, I. Matsuzaki, K. Kondo.
UNCLASSIFIED

JAPANESE, per, Denki Tsushin Gakkai Zasshi, Jun 1957.

USASIA Tr 972X

Sci - Electron

Feb 58

59,238

The Chemical Action of a High-Frequency Electric Discharge. Part 6. Formation of Hydrogen Cyanide by the Reaction of Methane, Nitrogen, and Ammonia, by S. Miyazaki, S. Takahashi.

JAPANESE, per, J. Chem Soc Japan, Pure Chem Sect, Vol LXXIX, No 1, 1958, pp 17-21.

ATS-69K24J
JJ-1621

Sci - *chem*
Jul 59

90,447

Chemical Reactions in a High-Frequency Electric
Discharge, Part 8, Formation of Hydrogen Cyanide
From Methane and Ammonia, by S. Miyazaki, S.
Takahashi,

JAPANESE, per, J.Chem Soc Japan, Pure Chem Sect,
Vol LXXIX, No 2, 1958, pp 135-137.

ATS JJ-1623

Sci - *chem*
Jul 59

90,448

The Chemical Action of a High-Frequency Electric Discharge, Part 7. Reaction Between Methane and Nitrogen Induced by a Nonpolar Discharge, by S. Miyazaki, S. Takahashi,

JAPANESE, per, J Chem Soc Japan, Pure Chem Sect, Vol LXXIX, No 1, 1958, pp 21-26.

ATS-69K24J
ATS JJ-1622

Sci - chem
Jul 59

90, 449

Chemical Reactions in a High-Frequency Electric Discharge, Part 9, Formation of Hydrogen Cyanide by the Reaction of Methane, Nitrogen and Hydrogen, by S. Miyazaki, S. Takahashi,

JAPANESE, per, J Chem Soc Japan, Pure Chem Sect, Vol LXXIX, No 2, 1958, pp 138-142.

ATS JJ-1624

Sci - *chem*
Jul 59

90, 450

(FDD 28068)

On the Internal Friction of Cu-Al, by S. Takahashi,
H. Konno, 15 pp.

JAPANESE, photostats, Vol XIX, No 10, 4 pp.

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FE - Japan

Sci - Minerals/metals, metallurgy

Aug 56 CTS/DEX

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